

SECTION II. INSTALLATION

14.2.1 INTRODUCTION

Single-cabinet ASOS (SCA) installation is not the responsibility of the site technician. Information concerning installation, removal, and replacement of various field replaceable units (FRU's) and sensors is provided in the respective chapter of this ASOS Site Technical Manual (STM).

14.2.2 SOLAR SHIELD (OPTIONAL)

An optional solar shield kit (P/N 62828-40409-10) can be added to those SCA installations that endure intense solar load and high temperatures. Sites to receive the shields are as directed in letter ASOS-II-97-0243 dated April 1, 1997.

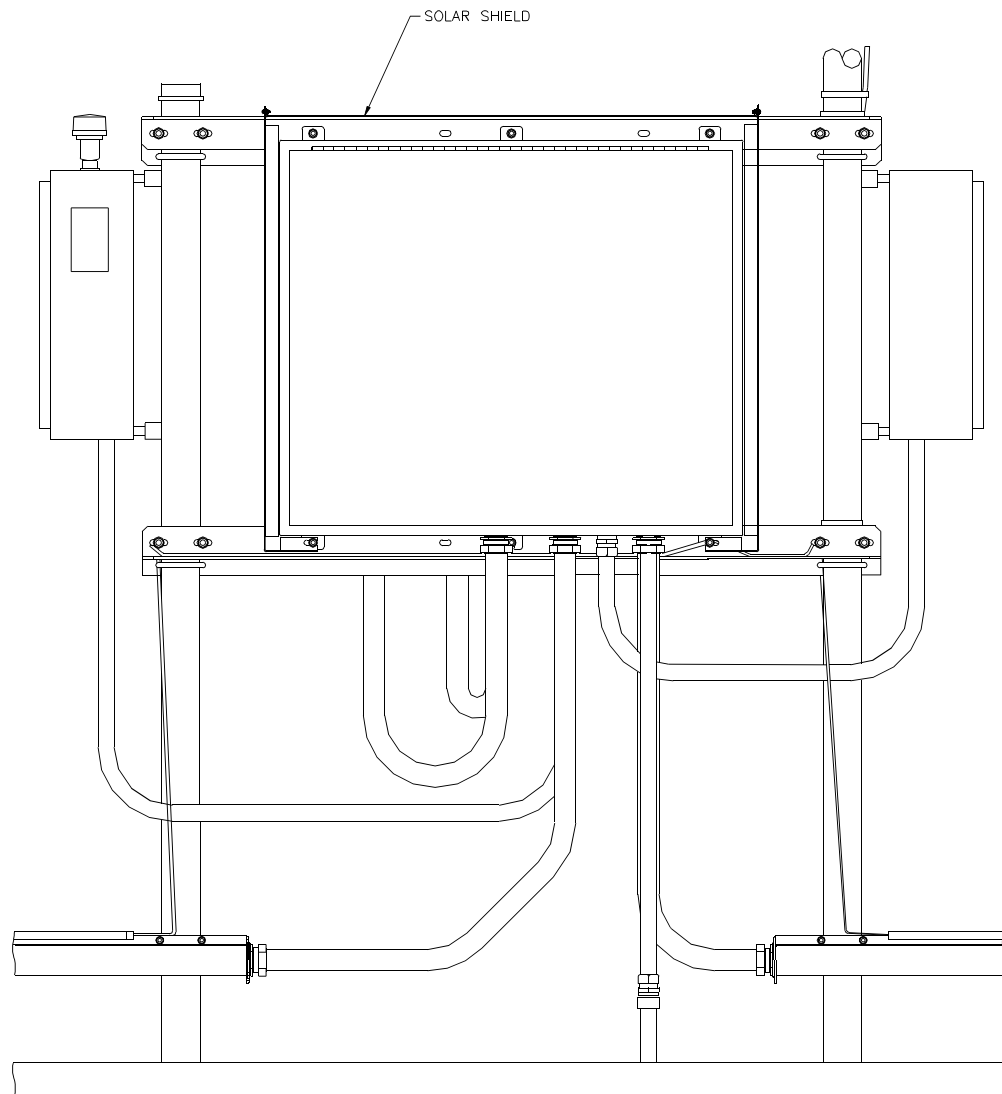


Figure 14.2.1. SCA Solar Shield (Optional)

14.2.3 ALTERNATIVE GTA RADIO ANTENNA KIT

Some SCA sites with GTA radios may experience radio frequency interference to the Present Weather sensor. When the GTA is transmitting, the transmit frequency may cause interference in the LEDWI and create false LEDWI outputs (such as showing “rain” on a clear day). At these sites, it may be necessary to install Field Modification Kit FMK 114B. This kit (part number 62828-40507-10) replaces the present GTA radio antenna mounted on the DCP/SCA support structure with a ground plane antenna mounted near the top of the wind tower. The antenna cable is re-routed from the auxilliary box through underground conduit to the wind tower location.

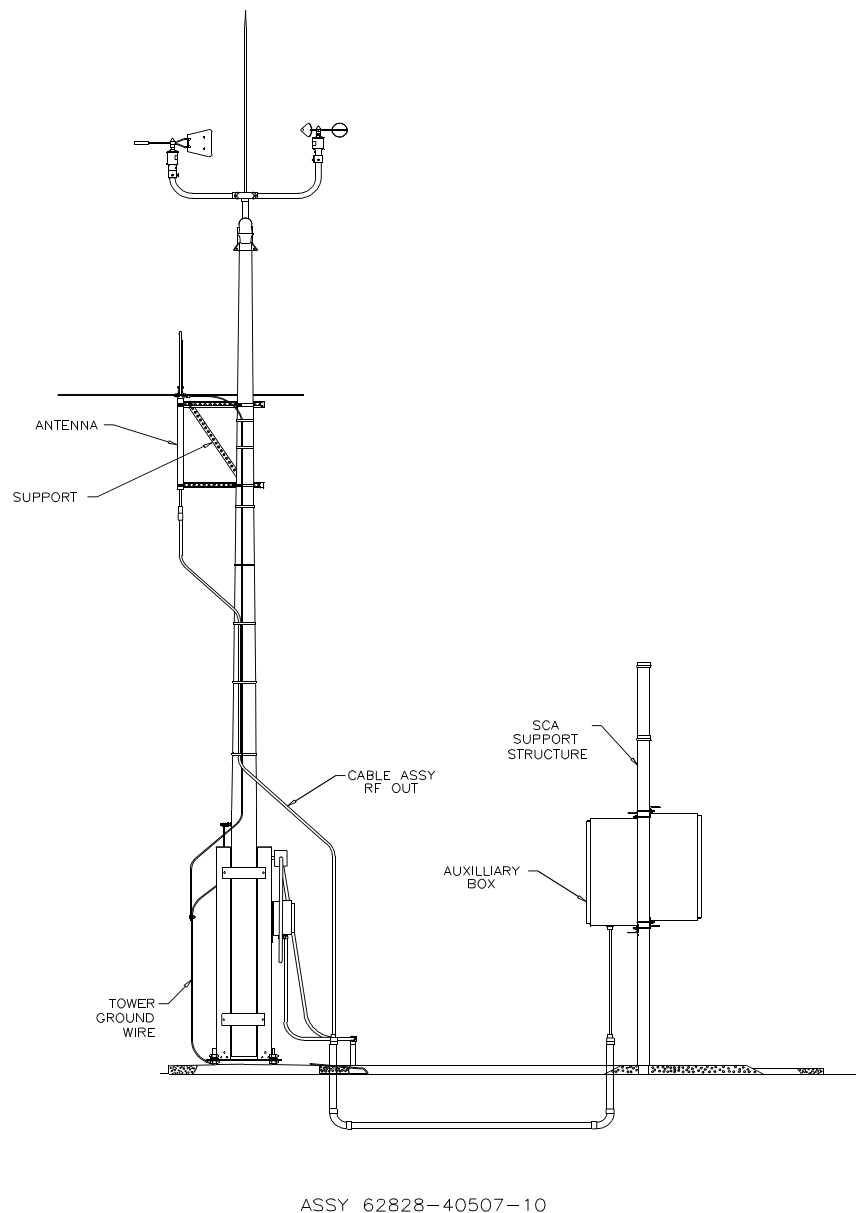


Figure 14.2.2. Alternative GTA Radio Antenna Kit